



# 13 ELECTION  
6/10/03  
Mailist

DOCKET NO: H00498.70154.US

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lieber et al.  
Serial No: 09/935,776  
Confirmation No: 8935  
Filed: August 22, 2001  
For: DOPED ELONGATED SEMICONDUCTORS, GROWING  
SUCH SEMICONDUCTORS, DEVICES INCLUDING  
SUCH SEMICONDUCTORS AND FABRICATING SUCH  
DEVICES

Examiner: Shouxiang Hu  
Art Unit: 2811

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 3<sup>rd</sup> day of June, 2003.

Signature *Clayton P. Piro*

**Mail Stop Non-Fee Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RECEIVED  
JUN - 6 2003  
TECHNOLOGY CENTER 2800

**RESPONSE TO ELECTION/RESTRICTION REQUIREMENT**

Sir:

In response to the Election/Restriction Requirement dated April 3, 2003, the Applicants elect Species 3, further electing a Field Effect Transistor device, with traverse.

The traversal is made on the grounds that it is believed that the species requirement is improper. The species listed in paragraph 4 of the Election/Restriction Requirement do not appear to be mutually exclusive with respect to each other, as is required in an election requirement (see MPEP §806.04(f)). For example, Species 1, 2, and 3 do not appear to be mutually exclusive with respect to each other, nor do Species 1, 2, and 4 appear to be mutually exclusive.

Applicants have also been asked to list all claims that read on the above-identified species. Because of the way the species requirement has been formulated, listing all claims that

read on these species is impossible. While, for example, claim 1 would read on a free-standing and bulk-doped semiconductor comprising at least one portion having a smallest width of less than 500 nm, wherein the semiconductor forms a component of a field effect transistor and is formed of a material comprising a Group IV-Group IV semiconductor, the species requirement has not been made in a manner that allows this analysis. The species requirement, instead, appears to be made on the basis of selecting dependent claims, which is improper.

Nonetheless, the following claims appear to form a group commensurate with the above species for search and examination purposes: 1, 2, 5-8, 16, 17, 32-48, 56-108, 110-120, 175, 176, 181-183, 186-189, 191, 194, 195, and 202. Claims other than those listed here may also be relevant to the species in certain cases.

A first and favorable Office Action is respectfully requested. If, for any reason, the Examiner is of the opinion that a telephone conversation with the Applicants' representative would expedite prosecution, the Examiner is kindly invited to contact the undersigned at 617-720-3500.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicants hereby request any necessary extension of time. Please charge any fee or fee deficiency occasioned by this Amendment that is not covered by an enclosed check to Deposit Account No. 23/2825.

Respectfully submitted,  
*Lieber et al., Applicants*

By: 

Timothy J. Oyer, Ph.D., Reg. No. 36,628

Tani Chen, Reg. No. 52,728

WOLF, GREENFIELD & SACKS, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210-2211

Telephone: (617) 720-3500

Docket No. H00498.70154.US

Date: June 3, 2003

x06/03/2003